MAIL STOP PCT
PATENT
8017-1156

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IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Attn: OFFICE OF PCT

LEGAL ADMINISTRATION

Akira USUI et al.

Conf. 8975

Group

Filed December 30, 2004

Application No. 10/519,5711

Examiner

GROUP III NITRIDE SEMICONDUCTOR SUBSTRATE AND PROCESS FOR PRODUCTION THEREOF

REQUEST TO CORRECT INVENTORSHIP UNDER 37 CFR §1.48(a)

Assistant Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

March 9, 2005

Sir:

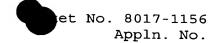
Under the provisions of 37 CFR 1.48(a), it is respectfully requested that the inventorship of the above-identified non-provisional application be changed, to include not only the originally-named inventors, Masatomo SHIBATA and Yuichi OSHIMA, but also Akira USUI of Tokyo, Japan.

The undersigned registered patent attorney hereby states that the inventorship error occurred without deceptive intention on the part of the ommitted inventor.

Attached hereto are: the assignees' Consent to

Correction of Inventorship, another copy of the previously filed

executed Declaration and Power of Attorney 17/15/16/25 [17] The grace 1/20/10/25/10/



in Support of a Petition Under 37 CFR §1.48(a) from the omitted inventor.

Please charge the CFR 1.17(i) processing fee of \$130 to Deposit Account No. 25-0120.

Respectfully submitted,

YOUNG & THOMPSON

Benoit Castel, Reg. No. 35,041

745 South 23rd Street Arlington, VA 22202

Telephone (703) 521-2297

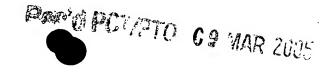
Telefax (703) 685-0573

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PATENT 8017-1156

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Akira USUI et al.

Conf. 8975

Application No. 10/519,571

Group

Filed December 30, 2004

Examiner

GROUP III NITRIDE SEMICONDUCTOR SUBSTRATE AND PROCESS FOR PRODUCTION THEREOF

CONSENT TO CORRECT INVENTORSHIP UNDER 37 CFR §1.48(a)

Assistant Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

We, NEC Corporation and Hitachi Cable, Ltd., both of Tokyo, Japan, assignees of the above-identified patent application, hereby consent to the change of inventorship recited herein from "Masatomo SHIBATA and Yuichi OSHIMA" to -Akira USUI, Masatomo SHIBATA and Yuichi OSHIMA--.

Respectfully submitted,

Hitachi Cable, Ltd.

Masaaki Kato, General Manager
Title Intellectual Property Dept.

Date March 3, 2005

T

PATENT 8017-1156

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Akira USUI et al.

Conf. 8975

Application No. 10/519,571

Group

Filed December 30, 2004

Examiner

GROUP III NITRIDE SEMICONDUCTOR SUBSTRATE AND PROCESS FOR PRODUCTION THEREOF

STATEMENT IN SUPPORT OF A PETITION UNDER 37 CFR §1.48(a)

Assistant Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

I, Akira USUI, hereby state that I was not named as a joint inventor in the above-identified application in error, and without any deceptive intention. Consequently, I should be added as an inventor in the above-captioned application.

Respectfully submitted,

March 3, 2005

Date

Akira USŬI

PATENT 8017-1156

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Akira USUI et al.

Conf. 8975

Application No. 10/519,571

Group

Filed December 20, 2004

Examiner

GROUP III NITRIDE SEMICONDUCTOR SUBSTRATE AND PROCESS FOR PRODUCTION THEREOF

CERTIFICATE UNDER 37 CFR 3.73(b)

Assistant Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

NEC CORPORATION, a Japanese Corporation, and Hitachi Cable, Ltd., a Japanese Corporation, certify that they are:

 $oxed{\boxtimes}$ the assignees of the entire right, title and interest; or

an assignee of less than the entire right, title and interest. The extent (by percentage) of its ownership interest is %

in the patent application/patent identified above by virtue of:

an assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel , frame , or for which a copy thereof is attached.

والم المحمل

The undersigned has reviewed all the evidentiary documents in the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under \$1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Sachio MATSUBARA
Typed or printed name
Sachio Matenbane
Signature of NEC Officer
Sachio Matsubara, Senior Manager
Intellectual Asset Planning Division
Title
Masaaki KATO
Typed or printed name
Signature of Hitachi Cable
Officer
General Manager Intellectual Property Dept.

Title

_ `ev	Docket	No.	_
, ,			

ASSIGNMENT

W	HI	ER	EA	۱S,
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	Akirà USUI of Tokyo, Japan;
	Masatomo SHIBATA of Ibaraki, Japan; and
	Yuichi OSHIMA of Ibaraki, Japan
hereafter refe	erred to as "applicant(s)", have invented certain new and useful improvements in
Group	III Nitride Semiconductor Substrate and Process for
Produc	tion Thereof
(a)	for which an application for a United States patent was filed on
	, Application No,
(b)	for which an application for a United States patent was executed on December 16, 2004
WHE	REAS, NEC CORPORATION and HITACHI CABLE, LTD.
	ss is 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001, Japan;
	Otemachi 1-chome, Chiyoda-ku, Tokyo 100-8166, Japan,
respectiv	
	eferred to as "assignee(s)", is desirous of acquiring the entire right, title and interest in
and to the sa	
	, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00), the receipt
	acknowledged, and other good and valuable consideration, applicant(s), by these
·	(es) hereby sell, assign and transfer unto said assignee(s) the full and exclusive right to
	ention in the United States and the entire right, title and interest in and to any and all
	h may be granted therefore in the United States, for its sole use and behoof, and for
	behoof of its legal representatives, to the full end of the term for which said patents
· .	ted, as fully and entirely as the same would have been held by applicant(s) had this
• .	and sale not been made.
Applic	cant(s) hereby authorize(s) and request(s) the Commissioner of Patents and
Trademarks	to issue said United States patents to said assignee(s).
Date Dece	mber 16, 2004 Apria Usin (1)
Dogo	(signature) Akira USUI
Date	mber 16, 2004 <u>Masalomo Shibala</u> (signature) Másalomo SHIBATA
n / Dogo	
Date Decei	nber 16, 2004 Yww USWMA (5) (signature) Yuichi OSHIMA
	(oignataro)

Masato Kinner Witness:

Witness:

ornév Docket Mo

Status (patented, pending abandoned)

10/5/957

As a below named inventor, I hereby declare that

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Group III Nitride Semiconductor Substrate and Process for Production Thereof the specification of which: (check one) **REGULAR OR DESIGN APPLICATION** П is attached hereto. _____ as application Serial No. П was filed on and was amended on (if applicable). PCT FILED APPLICATION ENTERING NATIONAL STAGE was described and claimed in International application No. PCT/JP03/08360 filed on July 1, 2003 and as amended on November 27, 2003 I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56. PRIORITY CLAIM I hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed. PRIOR FOREIGN APPLICATION(S) Country Application Date of Filing **Priority** Number (day, month, year) Claimed Japan 2002-193733 02, July, 2002. Yes I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional patent application(s) listed below: Application No. Filing Date Status (patented, pending abandoned) (Complete this part only if this is a continuing application.) I hereby claim the benefit under 35 USC 120 of any United States' application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Filing Date

Application No.

DOWED	OF ATTOR	NEV

Docket No.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

As a named inventor, I hereby appoint the registered patent attorneys represented by Customer No. 000466 to prosecute this application and transact all business in the Patent and Trademark Office connected therewith, including: Robert J. PATCH, Reg. No. 17,355, Andrew J. PATCH, Reg. No. 32,925, Robert F. HARGEST, Reg. No. 25,590, Benoît CASTEL, Reg. No. 35,041, Thomas W. PERKINS, Reg. No. 33,027, Roland E. LONG, Jr., Reg. No. 41,949, Eric JENSEN, Reg. No. 37,855, Liam MCDOWELL, Reg. No. 44,231 and Phillip A. DUBOIS, Reg. No. 50,696,

c/o YOUNG & THOMPSON Second Floor 745 South 23rd Street Arlington, Virginia 22202



Address all telephone calls to Young & Thompson at 703/521-2297. Telefax: 703/685-0573.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

00	Aki	ca USUT		
Full name of sole or fir	st inventor:	0001	1030	
Inventor's signature:	Maire	Usui	Date	e: December 16, 2004
Residence: Tol	kyo, Japan	JPX	Citizenship:	Japanese
Post Office Address:	c/o NEC Corp	poration, 7-	1, Shiba 5-c	chome, Minato-ku,
-1	Tokyo 108-80	001, Japan		
Full name of second jo	oint inventor, if any:	Masatomo	SHIBATA	
Inventor's signature:	- 1	00 //	Date	e: December 16, 2004
•	raki, Japan	JPX	Citizenship	Japanese
Post Office Address:	c/o Hitachi	Cable, Ltd.	, Advanced	Research Center, 3550,
,				00-0026, Japan
Full name of third joint	t inventor, if any:	Yuichi OSHI	MA	
Inventor's signature:	Yuiche	Oshime (Date	e: December 16, 2004
Residence: _ Iba	raki, Japan	JEX	Citizenship	Japanese
Post Office Address:	c/o Hitachi	Cable, Ltd.	, Advanced	Research Center, 3550,
	Kidamari, T	suchiura-shi	, Ibaraki 3	00-0026, Japan
Full name of fourth joi	nt inventor, if any:	•		
Inventor's signature:			Date	e:
Residence:			————— Citizenship	:
Post Office Address:			,	
				